

Transitive Groups of Degree 14

No	Group	Order	DimCA	CAZ	DimGA	GrAZ	Cycle_Index
1	C14=7[x]2	14	14	T	14	T	$\frac{1}{14}x_1^{14} + \frac{1}{14}x_2^7 + \frac{3}{7}x_7^2 + \frac{3}{7}x_{14}$
2	D_1414=[7]2	14	14	F	14	F	$\frac{1}{14}x_1^{14} + \frac{1}{2}x_2^7 + \frac{3}{7}x_7^2$
3	D7[x]2	28	8	T	26	F	$\frac{1}{28}x_1^{14} + \frac{1}{4}x_1^2x_2^6 + \frac{2}{7}x_2^7 + \frac{3}{14}x_7^2 + \frac{3}{14}x_{14}$
4	2[1/2]F_427	42	6	F	38	F	$\frac{1}{42}x_1^{14} + \frac{1}{6}x_2^7 + \frac{1}{3}x_1^2x_3^4 + \frac{1}{3}x_2x_6^2 + \frac{1}{7}x_7^2$
5	F_217[x]2	42	6	T	38	F	$\frac{1}{42}x_1^{14} + \frac{1}{42}x_2^7 + \frac{1}{3}x_1^2x_3^4 + \frac{1}{3}x_2x_6^2 + \frac{1}{7}x_7^2 + \frac{1}{7}x_{14}$
6	[2^3]7	56	8	T	56	F	$\frac{1}{56}x_1^{14} + \frac{1}{8}x_1^6x_2^4 + \frac{6}{7}x_7^2$
7	F_427[x]2	84	4	T	74	F	$\frac{1}{84}x_1^{14} + \frac{1}{12}x_1^2x_2^6 + \frac{2}{21}x_2^7 + \frac{1}{6}x_1^2x_3^4 + \frac{1}{6}x_1^2x_6^2 + \frac{1}{3}x_2x_6^2 + \frac{1}{14}x_7^2 + \frac{1}{14}x_{14}$
8	[7^2]2=7wr2	98	8	T	26	F	$\frac{1}{98}x_1^{14} + \frac{6}{49}x_1^7x_7 + \frac{1}{14}x_2^7 + \frac{18}{49}x_7^2 + \frac{3}{7}x_{14}$
9	[2^4]7	112	8	T	56	F	$\frac{1}{112}x_1^{14} + \frac{1}{16}x_1^8x_2^3 + \frac{1}{16}x_1^6x_2^4 + \frac{1}{112}x_2^7 + \frac{3}{7}x_7^2 + \frac{3}{7}x_{14}$

10	L_714	168	3	T	86	F	$\frac{1}{168}x_1^{14} + \frac{1}{8}x_1^2x_2^6 + \frac{1}{3}x_1^2x_3^4 + \frac{1}{4}x_2x_4^3 + \frac{2}{7}x_7^2$
11	[2^3]F_217	168	4	T	68	F	$\frac{1}{168}x_1^{14} + \frac{1}{24}x_1^6x_2^4 + \frac{1}{3}x_1^2x_3^4 + \frac{1}{3}x_2x_3^2x_6 + \frac{2}{7}x_7^2$
12	1/2[D7^2]2	196	5	T	50	F	$\frac{1}{196}x_1^{14} + \frac{3}{49}x_1^7x_7 + \frac{1}{4}x_1^2x_2^6 + \frac{1}{2}x_2x_4^3 + \frac{9}{49}x_7^2$
13	[1/2D7^2]2	196	5	T	50	F	$\frac{1}{196}x_1^{14} + \frac{3}{49}x_1^7x_7 + \frac{1}{4}x_1^2x_2^6 + \frac{1}{14}x_2^7 + \frac{9}{49}x_7^2 + \frac{3}{7}x_{14}$